## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/013965

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> H01L27/14, H01L31/02, H01L21/56, H01L21/60	
According to International Patent Classification (IPC) or to both national classification and IPC	
B. FIELDS SEARCHED	
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> H01L27/14, H01L31/02, H01L21/56, H01L21/60	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004  Kokai Jitsuyo Shinan Koho 1971-2004-75 Toroku Jitsuyo Shinan Koho 1994-2004	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)	
DECOGOINO data cast control data in a minimum or a cast of cas	
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category* Citation of document, with indica	ation, where appropriate, of the relevant passages Relevant to claim No.
A JP 2000-156487 A (Sh	
06 June, 2000 (06.06.00), Full text; all drawings	
& US 6392217 B1	
A JP 6-196680 A (Hamam	natsu Photonics Kabushiki 1-3
Kaisha), 15 July, 1994 (15.07.94),	
Full text; all drawings	
(Family: none)	
A . JP 6-29506 A (Hamama	atsu Photonics Kabushiki 1-3
Kaisha),	
04 February, 1994 (04.02.94), Full text; all drawings	
(Family: none)	9-
Further documents are listed in the continuation of Box C. See patent family annex.	
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent but published on or after the	• • • • •
"L" document which may throw doubts on priority claim(s)	or which is step when the document is taken alone
cited to establish the publication date of another citat special reason (as specified)	considered to involve an inventive step when the document is
"P" document published prior to the international filing date but later than	
the priority date claimed "&" document member of the same patent family	
Date of the actual completion of the international search  Date of mailing of the international search report	
20 October, 2004 (20.10.04) 02 November, 2004 (02.11.04)	
Name and mailing address of the ISA/	Authorized officer
Japanese Patent Office .	
Facsimile No.	Telephone No.